ABSTRACT OF THE DISCLOSURE

A composition for coloring a keratin material, comprising:

- (i) at least one coloring agent component comprising, in a physiologically acceptable medium,
- at least one dye precursor chosen from compounds comprising at least one aromatic ring comprising at least two hydroxyl groups borne by two successive carbon atoms of the at least one aromatic ring, and
- at least one catalytic system comprising at least one first catalyst (1) chosen from Mn(II) and Zn(II) salts and oxides and at least one second catalyst (2) chosen from alkali metal hydrogen carbonates and alkaline-earth metal hydrogen carbonates;

wherein the catalysts (1) and (2) are present with the at least one dye precursor in a single composition (A) or separated into two components (A_1) and (A_2) wherein the at least one dye precursor is present in at least one of the components (A_1) and (A_2) ;

and at least one component chosen from:

- (ii) a component (B) comprising at least one acidic composition, and
- (iii) a component (C) comprising at least one alkaline composition, and various processes for coloring a human keratin material using the coloring composition.